

**POTENTIAL HAZARDOUS WASTE SITE****PRELIMINARY ASSESSMENT**CHEV  
Chevron USA**Site Name**

NJD081982902

**EPA Site ID Number**

1200 State St. Perth Amboy, NJ

**Address**

02-8408-01

**TDD Number**

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**Date of Site Visit:** Off-site reconnaissance by NUS Corp., FIT II, 8/16/84**SITE DESCRIPTION**

The Chevron U.S.A. site is an oil refinery, covering approximately 400 acres. There are eight different waste locations on the property. Five locations contain leaded tank bottoms, one contains vanadium pentoxide and two contain unknown chemicals. All quantities are unknown except for the vanadium pentoxide, which is 200 lbs. All wastes were buried or deposited on the ground. Seven of the locations are adjacent to surface waters. The waste locations fall roughly on a line about one mile long.

**PRIORITY FOR FURTHER ACTION:** High   x   Medium      Low     **RECOMMENDATIONS**

Sampling should be conducted to determine extent of contamination.

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**Prepared by:** Joseph Logan Jr.  
of NUS Corporation**Date:** 8/10/84



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION  
01 STATE NJ 02 SITE NUMBER D081982902

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Chevron USA		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1200 State St.				
03 CITY Perth Amboy	04 STATE NJ	05 ZIP CODE 08861	06 COUNTY Middlesex		07 COUNTY CODE 23	08 CONG DIST 15
09 COORDINATES LATITUDE 40° 32' 04" N LONGITUDE 074° 15' 42" W						
10 DIRECTIONS TO SITE (Starting from nearest public road) From NJ Turnpike Exit #10, take County Rte. 514 (Woodbridge Avenue) east to Amboy Ave. in Woodbridge. Turn right and follow rd. and it will become New Brunswick Ave. After about 2 miles, turn left (north) onto Amboy Ave. in Perth Amboy to Plant, about 1 3/4 miles. Turn right on Maurer at Gas Station and follow rd. through plant to State St.						

III. RESPONSIBLE PARTIES

01 OWNER (If known) Chevron USA		02 STREET (Business, mailing, residential) 1200 State St.			
03 CITY Perth Amboy	04 STATE NJ	05 ZIP CODE 08861	06 TELEPHONE NUMBER (201) 738-2000		
07 OPERATOR (If known and different from owner) Chevron USA		08 STREET (Business, mailing, residential) 1200 State St.			
09 CITY Perth Amboy	10 STATE NJ	11 ZIP CODE 08861	12 TELEPHONE NUMBER (201) 738-2000		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input type="checkbox"/> A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 6/15/81 MONTH DAY YEAR <input type="checkbox"/> C. NONE					

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1946 Present <input type="checkbox"/> UNKNOWN BEGINNING YEAR ENDING YEAR			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED Leaded tank bottoms, vanadium pentoxide and unknown materials buried, piled and filled in eight locations around the refinery.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Potential for contamination of Woodbridge Creek, Spa Spring Creek and Arthur Kill via groundwater or run-off. Potential for groundwater contamination also exists.					

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input checked="" type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspection on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT Mark Haulenbeek		02 OF (Agency/Organization) US EPA Region II		03 TELEPHONE NUMBER (201) 321-6685	
04 PERSON RESPONSIBLE FOR ASSESSMENT Joseph W. Logan		05 AGENCY	06 ORGANIZATION NUS Corp. FIT II	07 TELEPHONE NUMBER (201) 225-6160	08 DATE 8/31/84 MONTH DAY YEAR





POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 STATE NJ 02 SITE NUMBER D081982902

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists for buried contaminants to enter groundwater. Surface water courses coincide with property lines, thus groundwater would probably be intercepted by surfacewater at property line.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists for surface water contamination via groundwater contamination. Burial sites are located within 1000' of streams. All burial sites do not drain into plant's oily water collection system.

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists for release of hydrocarbons if cover is broken.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists for fire if cover is broken.

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

No potential exists. Plant is completely fenced.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION  
(Acres)

Contamination of soil restricted to burial locations.

01 ☐ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Groundwater in area not used for drinking because of salinity.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists if disposal areas are not fenced in within the plant. Burial locations are generally near plant boundary.

01 ☐ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

Plant is fenced in, so there is very little potential for general potential exposure.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION  
01 STATE 02 SITE NUMBER  
NJ D081982902

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via surface water routes.

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via surface water routes.

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists via surface water routes.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: Unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

Wastes were buried, no details of containment. Potential exists for contaminant migration from site.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potential exists for runoff to enter adjacent properties.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Most of plant drains to an oily water collection system, but some burial sites appear to be outside of this system. Contaminants could run off site to municipal storm drains.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

No potential exists.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: Unknown

IV. COMMENTS

The plant, a refinery, covers a large area with 8 different burial locations and possibly four types of waste. Refinery covers about 400 acres and the burial sites generally follow a line a mile long.

V. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

Notification of Hazardous Waste Site Form  
US EPA - Edison Files  
US EPA - Federal Plaza Files